

Receipt. TFW



PATENT APPLICATION
Docket No. 14321.76

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|-----------------------|-------------------------------------|------------|
| In re application of: | |) |
| | |) |
| | Atsushi Mori et al. |) |
| | |) |
| Serial No.: | 10/537,179 |) |
| | |) Art Unit |
| Filing Date: | June 1, 2005 |) 1731 |
| | |) |
| Confirmation No.: | 7985 |) |
| | |) |
| For: | OPTICAL FIBER AND PRODUCTION METHOD |) |
| | THEREOF |) |

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that the following documents are being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the 17th day of January 2006.

- 2nd Request for Correction of Filing Receipt (2 pages)
- Copy of Filing Receipt
- Postcard

Respectfully submitted,

DANA L. TANGREN
Attorney for Applicant
Registration No. 37,246
Customer No. 022913
Telephone No. 801.533.9800



PATENT APPLICATION
Docket No. 14321.76

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|-----------------------|-------------------------------------|------------|
| In re application of: | |) |
| | |) |
| | Atsushi Mori et al. |) |
| | |) |
| Serial No.: | 10/537,179 |) |
| | |) Art Unit |
| Filing Date: | June 1, 2005 |) 1731 |
| | |) |
| Confirmation No.: | 7985 |) |
| | |) |
| For: | OPTICAL FIBER AND PRODUCTION METHOD |) |
| | THEREOF |) |

2ND REQUEST FOR CORRECTION OF FILING RECEIPT

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Attached is a copy of the official Filing Receipt received from the United States Patent and Trademark Office in the above-identified application for which issuance of a corrected Filing Receipt is respectfully requested.

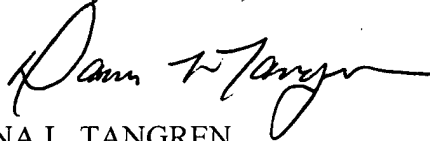
Under the section Foreign Applications, please make the following change:

Change "JAPAN 2004-202954 07/14/2004" to --JAPAN 2004-202954 07/09/2004--.

The requested corrections are marked on the attached filing receipt. The corrections are not due to any error by applicant, and accordingly it is respectfully submitted that no fee is due relative thereto.

Dated this 17th day of January 2006.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Dana L. Tangren", written in a cursive style.

DANA L. TANGREN
Attorney for Applicant
Registration No. 37,246
Customer No. 022913
Telephone No. 801.533.9800

DLT:dfw

W:\14321\76\DFW0000016660V001.DOC



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

| APPL NO. | FILING OR 371 (c) DATE | ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|----------|---------------|-----------------|----------|----------|----------|
| 10/537,179 | 06/01/2005 | 1731 | 2450 | 14321.76 | 73 | 29 | 6 |

22913
 WORKMAN NYDEGGER
 (F/K/A WORKMAN NYDEGGER & SEELEY)
 60 EAST SOUTH TEMPLE
 1000 EAGLE GATE TOWER
 SALT LAKE CITY, UT 84111

CONFIRMATION NO. 7985

CORRECTED FILING RECEIPT



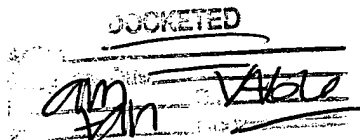
OC000000017734176

Date Mailed: 12/28/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Atsushi Mori, Atsugi-shi, JAPAN;
 Masao Kato, Atsugi-shi, JAPAN;
 Kouji Enbutsu, Atsugi-shi, JAPAN;
 Shinichi Aozasa, Atsugi-shi, JAPAN;
 Kiyoshi Oikawa, Atsugi-shi, JAPAN;
 Takashi Kurihara, Atsugi-shi, JAPAN;
 Kazuo Fujiura, Atsugi-shi, JAPAN;
 Makoto Shimizu, Mito-shi, JAPAN;
 Kouji Shikano, Hokodate-shi, JAPAN;



Power of Attorney: The patent practitioners associated with Customer Number 22913.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/11625 08/12/2004

Foreign Applications

JAPAN 2003-293141 08/13/2003
 JAPAN 2004-045500 02/20/2004
 JAPAN 2004-202954 ~~07/14/2004~~ 07/09/2004
 JAPAN 2004-207728 07/14/2004

If Required, Foreign Filing License Granted: 12/28/2005

(19) 世界知的所有権機関
国際事務局(43) 国際公開日
2005年2月24日 (24.02.2005)

PCT

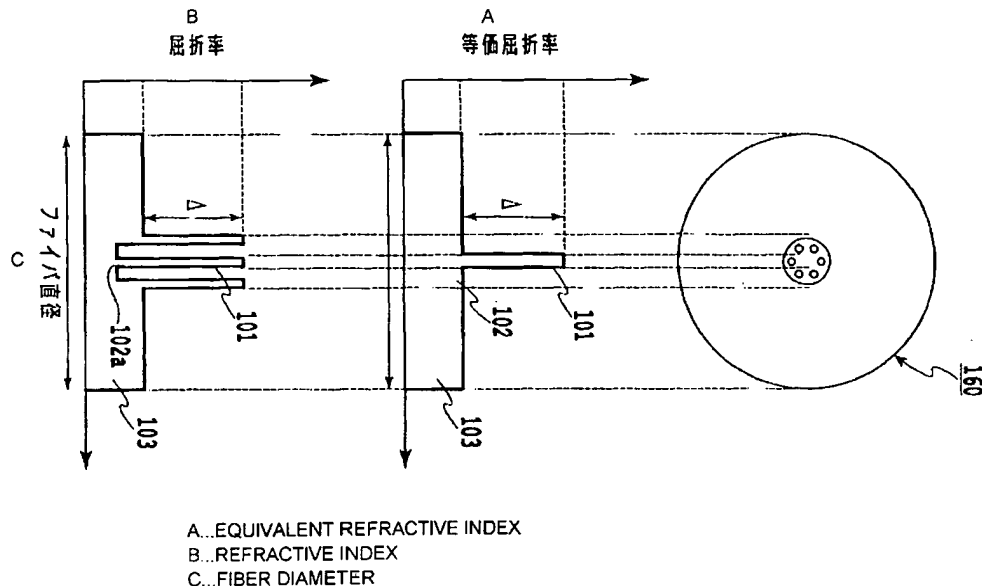
(10) 国際公開番号
WO 2005/017582 A1

- (51) 国際特許分類⁷: G02B 6/00, G02F 1/365 (71) 出願人 (米国を除く全ての指定国について): 日本電信電話株式会社 (NIPPON TELEGRAPH AND TELEPHONE CORPORATION) [JP/JP]; 〒1008116 東京都千代田区大手町2丁目3-1 Tokyo (JP).
- (21) 国際出願番号: PCT/JP2004/011625
- (22) 国際出願日: 2004年8月12日 (12.08.2004)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
- | | | |
|---------------|-------------------------|----|
| 特願2003-293141 | 2003年8月13日 (13.08.2003) | JP |
| 特願2004-045500 | 2004年2月20日 (20.02.2004) | JP |
| 特願2004-202954 | 2004年7月9日 (09.07.2004) | JP |
| 特願2004-207728 | 2004年7月14日 (14.07.2004) | JP |
- (72) 発明者; および
(75) 発明者/出願人 (米国についてのみ): 森 淳 (MORI, Atsushi) [JP/JP]; 〒1808585 東京都武蔵野市緑町3丁目9-11 NTT 知的財産センタ内 Tokyo (JP). 加藤 正夫 (KATO, Masao) [JP/JP]; 〒1808585 東京都武蔵野市緑町3丁目9-11 NTT 知的財産センタ内 Tokyo (JP). 圓佛 晃次 (ENBUTSU, Kouji) [JP/JP]; 〒1808585 東京都武蔵野市緑町3丁目9-11 NTT 知的財産センタ内 Tokyo (JP). 青笹 真一 (AOZASA, Shinichi) [JP/JP]; 〒1808585 東京都武蔵野市緑町3丁目9-11 NTT 知的財産センタ内 Tokyo (JP). 及川

[続葉有]

(54) Title: OPTICAL FIBER AND PRODUCTION METHOD THEREOF

(54) 発明の名称: 光ファイバおよびその製造方法



(57) Abstract: An optical fiber using tellurite glass having a zero material dispersion wavelength of at least $2 \mu\text{m}$, a non-linear sensitive rate X^3 of as high as at least $1 \times 10^{-12} \text{ esu}$, and a heat stability sufficient to be processed into a low-loss fiber, wherein a PCF structure or an HF structure having a strong confinement to a core area is employed, thereby enabling light to be wave-guided at a low loss. A zero dispersion wavelength is controlled to within a communication wavelength band ($1.2\text{--}1.7 \mu\text{m}$) by the size and shape of a hole formed in the core area and by the interval between adjacent holes, and a large non-linearity having a non-linearity constant γ of at least $500 \text{ W}^{-1}\text{k}^{-1}$ is provided.

(57) 要約: 零材料分散波長が $2 \mu\text{m}$ 以上であり、非線形感受率 χ^3 が $1 \times 10^{-12} \text{ esu}$ 以上と高く、低損失ファイバに加工するのに十分な熱安定性を有するテルライトガラスを用いた光フ

[続葉有]